

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4387

Arizona

Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

J. J. Strutzel, Jr., and Carnotite Explorations, Inc.

Known As The

South Gate #2 lode

Old Hat

Mining District,

Pinal

County,

Arizona

Section 25, Township 8 South, Range 16 East, G. & S.R. Mer.

Surveyed under order dated January 19, 1954

by T. N. Stevens

Mineral Surveyor.

Claim located August 4, 19 46

Survey commenced February 1, 19 54

Survey completed March 26, 19 54

Address of claimant Elmer C. Coker, Attorney for Claimants,
Bank of Douglas Bldg., Phoenix, Arizona

DATES OF AMENDED LOCATIONS

Jan. 10, 1951

Survey No. 4387

This survey was made with a C.L. Berger & Sons transit with horizontal limb 6 1/4 ins. diam. with vertical circle 5 ins. diam., having two opposite verniers; the verniers read to one minute of arc. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observation.

Friday, March 5, 1954, at cor. No. 1, South Gate #2, in latitude 32°42'19" N., and longitude 110°40'15" W., I made a series of altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, bisecting the sun, and reading the horizontal angle S.W. to sun.

Mean time of observation, 105 meridian, standard time -2h 50m P.M.

Declination of sun at mean time of observation: 5°59'53" S.

Mean observed vertical angle to sun's center - 39°04'56"

Mean horizontal angle counterclockwise from reference point -132°55'

True bearing of reference point - North

The lines were measured with a Keuffel & Esser steel tape 300 feet in length, the first foot graduated to tenths and hundredths; and a 100 ft. Lufkin steel tape, graduated to feet, tenths and hundredths; both tapes were compared with a standard and were correct at the time of the survey.

All lines and connections of this survey were run by direct methods, the magnetic declination observed at each corner of the survey gave a uniform value of 14° E.

Feet

SOUTH GATE #2 LODE.

At Cor. No. 1 of the South Gate #2 lode.

Set an iron post, 3 1/2 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 1 S G 2-4387; from which

The cor. to secs. 25, 26, 35 and 36, T. 8 S., R. 16 E., G. & S.R.M. - bears South 1500 ft. dist.; a 2 inch steel post with cap on top, mkd. 25,26,35,36, firmly set in the position of the original monument.

No bearing objects are available.

Thence North

234.0 Old road to Mammoth bears northeasterly and westerly.

300.0 Lode line; discovery point bears S. 89° 54' E., 50 ft. dist.

Set a pine post 4 x 6 ins., 3 ft. high, firmly in the ground and surrounded by a mound of stone, mkd. W. CR. STG. 21

370.0 Wash, 9 ft. wide, course northerly and southwesterly.

480.0 Cor. No. 2, mkd. S. 89° 54' E., 50 ft. dist. from Cor. No. 1. Set an iron post, 3 1/2 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 2-S G 2-4387.

No bearing objects are available.

Thence S. 89° 54' E.

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Feet

250.0 Old road to Mammoth bears northeasterly and southwesterly.
1500.0 Cor. No. 3.
Set an iron post, 3 1/2 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 3 S G 2-4387.
A palo verde tree, 8 ins. diam., bears S. 37° E., 67.5 ft. dist. blazed and scribed 3 S G 2-4387 B T.
Thence South
180.0 Lode line; discovery point bears N. 89° 54' W., 1450 ft. dist.
Set a pine post 4 x 6 ins., 3 ft. high, firmly in the ground, surrounded by a mound of stone, mkd. E Cr. S. G 2.
250.0 Wash, 10 ft. wide, course northeasterly.
480.0 Cor. No. 4.
Set an iron post, 3 1/2 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 4 S G 2-4387.
A palo verde tree, 12 ins. diam., brs. N. 7° 15' W., 47 ft. dist., mkd. 4 S G 2-4387 B T.

Thence N. 89° 54' W.

1500.0 To Cor. No. 1 and place of beginning.

AREA

Acres

Total area South Gate #2 lode 16.529

LOCATION

This survey is located in the SW¹ Section 25, T. 8 S., R. 16 E., G. & S.R. Mer., Arizona.

The survey is identical with the amended location as staked on the ground.

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of the location embraced in said mining claim by the claimants or their grantors are as follows:

- No. 1 The discovery point of the South Gate #2 lode is on the lode line 50 ft. from a point on line 1-2, 300 ft. from Cor. No. 1. A mound of stone on outcrop.
No value.
No. 2 A shaft, the center of which bears S. 17° 30' E., 170 ft. from Cor. No. 2, South Gate #2 lode; 4 x 6 ft. (timbered), 26 ft. deep.
Value \$780.00

OTHER IMPROVEMENTS - NONE

OTHER CORNER DESCRIPTIONS.

A diligent search was made for the quarter-section corner of Secs. 25 and 26, T. 8 S., R. 16 E., and no evidence of same could be found or identified.

Survey No. 4387

ADJOINING CLAIMS

On the East by South Gate #1, Unsur., H.H.Strutzel and S.L. Houghton, Claimants.

On the South by Highway Nos. 1, 2, and 3, Unsur., Anaconda Copper Corp., Claimant.

On the West by Oracle No. 1, Unsur., Mammoth St. Anthony, Ltd., Claimant.

Field Assistants

Name	Capacity
E.H.Jenkins	Chainman
J.J.Walden	Chainman

Survey No. 4387

ADJOINING CLAIMS

On the East by South Gate Wt. Insur., H.H. Strickel and S.L. Houghton, Claimants.
On the South by Highway Nos. 1, 2, and 3, Insur., Anacostia Copper Corp., Claimant.
On the West by Gracie No. 1, Insur., Mammoth St. Anthony, Ltd., Claimant.

Field Assistants

Name	Capacity
E.H. Jenkins	Chairman
J.G. Walden	Chairman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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CERTIFICATE OF SURVEYOR


I, T.N. Stevens, Mineral Surveyor,
hereby certify upon honor that in pursuance of an order received from the
Office Cadastral Engineer, at Albuquerque, New Mexico,
dated January 19, 1954, I have faithfully and correctly executed the survey
of the mining claim of J.J. Strutzel, Jr., and Carnotite Explorations, Inc.
known as the South Gate # 2 lode
(lode, placer, or millsite)
situate in Old Hat Mining District
Section 25 T. 8 S., R. 16 E.,
G. & S.R. Meridian, Arizona, and designated
(State)
as Survey No. 4387, which is represented in the fore-
going field notes as having been executed by me and under my direction, and that said
survey has been made in strict conformity with said order, the Manual of Instructions
for the Survey of the Public Lands of the United States, and in the specific manner
described in the foregoing field notes, and I do further certify that the labor ex-
pended and improvements made upon or for the benefit of the lode
(lode or placer)
location—embraced in the said mining claim by claimant-~~s~~ or their grantors
are fully stated in my report therein, and that the character, extent, location, and
itemized value thereof are specified therein with particularity and full detail, and
that no portion of, or interest in, said labor and improvements so credited to this
claim has been included in the estimate of expenditures upon any other claim.

Tucson, Arizona

(Place)

March 31, 1954

(Date)


(Mineral Surveyor)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

I, T. J. Weaver, Mineral Surveyor,
hereby certify upon honor that in pursuance of an order received from the
Office of the Mineral Surveyor, at Albuquerque, New Mexico,
dated January 12, 1934, I have faithfully and correctly executed the survey
of the mining claim of James H. and Bertha H. Weaver, Inc.,
known as the Waver Case & Sons
(located, either on mineral or
situated in the mining district of San Juan,
T. 1 S., R. 16 E.,
and designated Waver Case & Sons,
(State) New Mexico, which is represented in the fore-
going field notes as having been executed by an authorized surveyor, and that said
survey has been made in strict conformity with said order, the Manual of Instructions
for the Survey of the Public Lands of the United States, and in the specific manner
described in the foregoing field notes, and I do further certify that the lines ex-
posed and improvements made upon or for the benefit of the Waver Case & Sons
(located or placed)
location—embraced in the said mining claim by claimant or their
are fully stated in my report therein, and that the character, extent, location, and
itemized value thereof are specified therein with particularity and full detail, and
that no portion of, or interest in, said land and improvements are credited to this
claim has been included in the estimate of expenditures upon any other claim.

(Mineral Surveyor)

Thomas H. Weaver
(Place)
March 11, 1934
(Date)

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
~~PLATONIC SURVEY OFFICE~~

At Phoenix, Arizona

April 4, 1955

I, Office Cadastral Engineer at Phoenix, Arizona

do hereby certify that the forgoing and hereto attached Field Notes and return of the Survey of the
Mining Claim of J. J. Strutzel, Jr., and Carnotite Explorations, Inc.

_____, known as the

South Gate #2 lode

situate in Old Hat mining district,

in Section 25, Township No. 8 South, Range No. 16 East,

G. & S.R.M., designated as Survey No. 4387

executed by T. N. Stevens, Mineral

Surveyor, February 1 to March 26, 19 54, under my instructions dated

January 19, 19 54, have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

included and made a part of these field notes.

Everett H. Kimmell
Everett H. Kimmell

Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FLAGSTAFF, ARIZONA

At Phoenix, Arizona

April 4, 1955

Office of the District Engineer at Phoenix, Arizona

do hereby certify that the foregoing field notes and survey of the
Mining Claim of J. L. Greville, Jr., and Greville Enterprises, Inc.

are in accordance with the provisions of the Act of March 3, 1879, known as the

General Mining Act of 1879

and that

in Section 25 Township 36 S Range 10 E

County of Maricopa State of Arizona

owned by J. L. Greville

Survey Return No. 450

dated January 19, 1955

and that the said field notes and survey are in accordance with the provisions of the Act of March 3, 1879, known as the

General Mining Act of 1879, and that the said field notes and survey are in accordance with the provisions of the Act of March 3, 1879, known as the

General Mining Act of 1879, and that the said field notes and survey are in accordance with the provisions of the Act of March 3, 1879, known as the

General Mining Act of 1879

Office of the District Engineer at Phoenix, Arizona